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PATENT
0933-0162P

IN THE U.S. PATENT AND TRADEMARK OFFICE

APPLICANT(S): Eino Elias HAKALEHTO

APPLICATION NO.: 09/646,043 GROUP: 1643

FILED: October 25, 2000

EXAMINER: Shahnan Shah, K.

FOR: Method for detecting microbes from an enrichment culture

DECLARATION SUBMITTED UNDER 37 C.F.R. §1.132

Honorable Commissioner of Patents
Washington, D.C. 20231

I, Dr. Eino Elias HAKALEHTO, do hereby declare the following.

I am the sole inventor of the subject matter disclosed in the above-captioned application.

I have further reviewed the Office Action of April 9, 2003 and the Examiner's interpretation in respect of enabling disclosure.

I hereby declare that under my supervision experiments were made to study the immunoreactivities of two other bacteria within the subgenus of enteric bacteria having fimbriae. A strain of *Citrobacter freundii*, and a strain of *Klebsiella* species were studied by measuring the immunoreactivities from enrichment cultures of these strains using anti-peptide antibodies against fimbrial sequences.

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The enclosed Figure 1 and Figure 2 show distinct rise in immunoreactivities of *Citrobacter freundii* (Figure 1) and *Klebsiella* sp. (Figure 2) strains from enrichment cultures studied with an anti-peptide antibody against enterobacterial type-1 and SEF fimbrial sequences (EIA-assay). The rise in activities could be measured in 4 hours, the peak occurring at 5 hours from the onset of the enrichment cultivations.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



Dr. Eino Elias HAKALEHTO

15.12.2003

Date

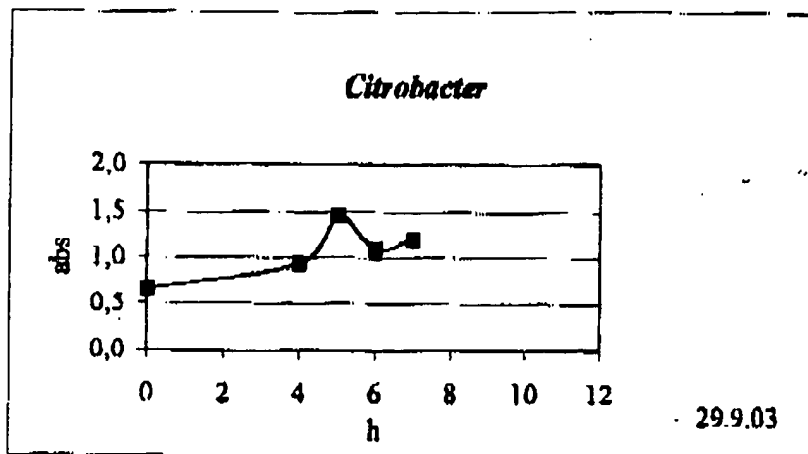


Figure 1

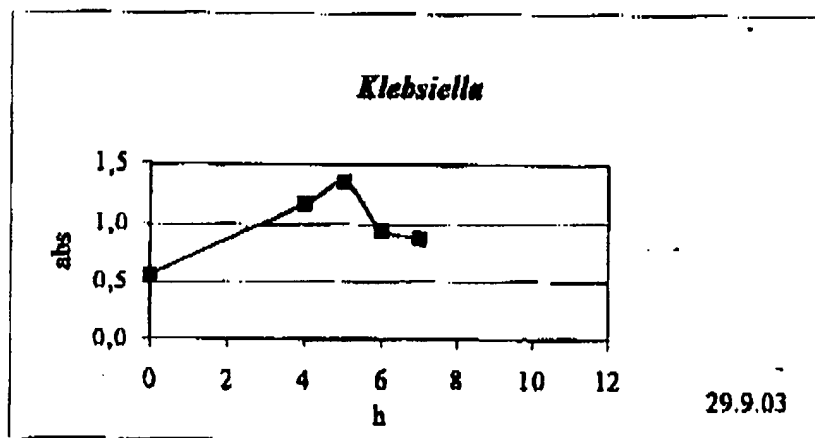


Figure 2

Rise in immunoreactivities of *Citrobacter freundii* (Figure 1) and *Klebsiella* sp. (Figure 2) strains from enrichment cultures studied with an anti-peptide antibody against enterobacterial type-1 and SEF fimbrial sequences (EIA-assay). The rise in activities could be measured in 4 hours, the peak occurring at 5 hours from the onset of the enrichment cultivations.